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PTO/SB/21 (09-04) (AW 10/2004)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

U.S. Patent Number	6,836,245 B2
Issue Date	December 28, 2004
First Named Inventor	Takaaki Kishigami, et al.
Art Unit	
Examiner Name	
Attorney Docket No.	MAT-8207US1

ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
 - ☐ After Final
 - ☐ Affidavits/Declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/
Incomplete Application
 - ☐ Response to Missing Parts
under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a
Provisional Application
- ☐ Power of Attorney, Revocation,
Change of Correspondence
Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
 - ☐ Landscape Table on CD

- ☐ After Allowance Communication
to TC
- ☐ Appeal Communication to Board
of Appeals and Interferences
- ☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply
Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please
identify below):
- Request For Certificate of Correction
PTO-1050 (2)
Return Postcard

Remarks:**Certificate
JUN 06 2005****SIGNATURE OF APPLICANT, ATTORNEY OR AGENT****of Correction**

Firm Name	RahnerPrestia		
Signature			
Printed Name	Lawrence E. Ashery		
Date	May 25, 2005	Registration No.	34,515

CERTIFICATE OF TRANSMISSION / MAILING

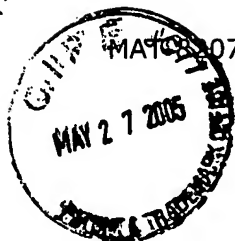
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Signature			
Typed or Printed Name	Deborah Spratt	Date	May 25, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 6,836,245 B2
Issued: December 28, 2004
Name of Patentee: Takaaki Kishigami et al.
Title of Invention: RADIO-WAVE ARRIVAL-DIRECTION ESTIMATING APPARATUS AND DIRECTIONAL VARIABLE TRANSCEIVER

Mail Stop DAC
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Attention: Decision and Certificate of Correction
 Branch of the Patent Issue Division

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 CFR 1.322(a))

1. Attached in duplicate is Form PTO-1050 with at least one copy being suitable for printing.
2. Correction of the Official Letters Patent is respectfully requested in view of the following text which appears correctly in the application file:

On the cover page of the Letters Patent, please insert -- (30) Foreign Application Priority Data, December 12, 2000, JP 2000-377003 --, as shown on the Filing Receipt mailed November 6, 2003.

On the cover page of the Letters Patent, Item (56) Foreign Patent Documents, please delete "EP 1 031 286 A2" and insert -- EP 1 031 846 A2 --, as shown on the 1449 filed August 6, 2003.

Column 22, Claim 1, line 64, delete "antennae" and insert --antenna--, as shown on page 4, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 22, Claim 1, line 66, delete "tar" and insert --for--, as shown on page 4, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 22, Claim 1, line 67, delete "toe" and insert --to a--, as shown on page 4, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 23, Claim 1, line 2, delete "at" and insert --of--, as shown on page 4, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 23, Claim 3, line 34, delete "in put" and insert --input--, as

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shown on page 5, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 23, Claim 6, line 45, change the dependency of the claim from "2" to "1", as shown on page 5, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 23, Claim 6, line 46, after LDL^H, insert --of--, as shown on page 5, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 24, Claim 11, line 39, delete "or" and insert -of-, as shown on page 7, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 25, Claim 12, line 3, delete "tar" and insert --for--, as shown on page 8, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 25, Claim 12, line 8, delete "tar" and insert --for--, as shown on page 8, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 25, Claim 17, line 43, delete "0" and insert --D--, as shown on page 9, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 26, Claim 21, line 13, delete "arrival" and insert --arrival-angle--, as shown on page 10, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 26, Claim 23, line 53, delete "cacti at" and insert --each of--, as shown on page 11, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 27, Claim 26, line 26, delete "LLH" and insert --LL^H--, as shown on page 12, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 27, Claim 27, line 29, delete "U^HU" and insert --U^HDU--, as shown on page 12, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 27, Claim 30, line 49, delete "or" and insert --of--, as shown on page 13, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 28, Claim 33, line 33, delete "at" and insert --of--, as shown on page 14, of the Supplemental Preliminary Amendment filed August 6, 2003.

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Column 28, Claim 34, line 51, delete "far" and insert --for--, as shown on page 15, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 29, Claim 38, line 21, delete "U^HU" and insert --U^HDU--, as shown on page 16, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 29, Claim 41, line 43, delete "far" and insert --for--, as shown on page 17, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 30, Claim 44, line 3, delete "or" and insert --of--, as shown on page 17, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 30, Claim 44, line 13, delete "tar" and insert --for--, as shown on page 18, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 30, Claim 44, line 19, delete "factoring" and insert --factorizing--, as shown on page 18, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 31, Claim 47, line 6, delete "B" and insert --θ--, as shown on page 19, of the Supplemental Preliminary Amendment filed August 6, 2003.

Column 31, Claim 49, line 24, delete "evaluating" and insert --evaluation--, as shown on page 20, of the Supplemental Preliminary Amendment filed August 6, 2003.

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3. Please send the Certificate to:

Name: Lawrence E. Ashery
Address: RatnerPrestia
Suite 301
One Westlakes, Berwyn
P.O. Box 980
Valley Forge, PA 19482-0980
(610) 407-0700

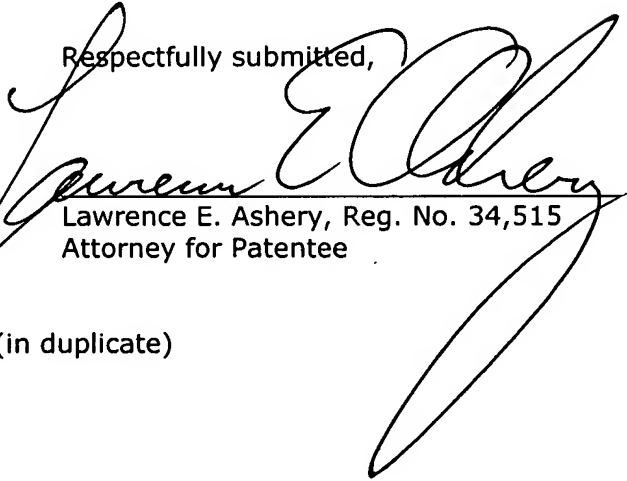
Name of Assignee: Matsushita Electric Industrial Co., Ltd.

Assignment Recorded on: March 8, 2002.

Reel 012668.

Frame 0645.

Respectfully submitted,


Lawrence E. Ashery, Reg. No. 34,515
Attorney for Patentee

LEA/mc/ds

Enclosure: Form PTO-1050 (in duplicate)

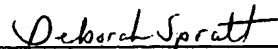
Dated: May 25, 2005
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Valley Forge, PA 19482
(610) 407-0700

The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

May 25, 2005

Deborah Spratt



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO: **6,836,245 B2**
DATED: **December 28, 2004**
INVENTORS: **Takaaki Kishigami et al.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the cover page please insert the following -- (30) Foreign Application Priority Data December 12, 2000, JP 2000-377003 --.

On the cover page item (56) under Foreign Patent Documents please delete "EP 1 031 286 A2" and substitute therefor -- EP 1 031 846 A2 --.

Column 22, claim 1, line 64, delete "antennae" and insert -- antenna, --.

Column 22, claim 1, line 66, delete "tar" and insert -- for --.

Column 22, claim 1, line 67, delete "toe" and insert -- to a --.

Column 23, claim 1, line 2, delete "at" and insert -- of --.

Column 23, claim 3, line 34, delete "in put" and insert --input--.

Column 23, claim 6, line 45, "2" should read -- 1 --.

Column 23, claim 6, line 46, after LDL^H, insert -- of --.

Column 24, claim 11, line 39, delete "or" and insert -- of --.

Column 25, claim 12, line 3, delete "tar" and insert -- for --.

Column 25, claim 12, line 8, delete "tar" and insert -- for --.

Column 25, claim 17, line 43, delete "0" and insert -- D --.

Column 26, claim 21, line 13, delete "arrival" and insert -- arrival-angle --.

Column 26, claim 23, line 53, delete "cacti at" and insert -- each of --.

Column 27, claim 26, line 26, delete "LLH" and insert -- LL^H --.

Column 27, claim 27, line 29, delete "U^HU" and insert -- U^HDU --.

Column 27, claim 30, line 49, delete "or" and insert -- of --.

Column 28, claim 33, line 33, delete "at" and insert -- of --.

Column 28, claim 34, line 51, delete "far" and insert -- for --.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: **6,836,245 B2**
DATED: **December 28, 2004**
INVENTORS: **Takaaki Kishigami et al.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 29, claim 38, line 21, delete "U^HU" and insert -- U^HDU --.
Column 29, claim 41, line 43, delete "far" and insert -- for --.
Column 30, claim 44, line 3, delete "or" and insert -- of --.
Column 30, claim 44, line 13, delete "tar" and insert -- for --.
Column 30, claim 44, line 19, delete "factoring" and insert -- factorizing --.
Column 31, claim 47, line 6, delete "B" and insert -- θ --.
Column 31, claim 49, line 24, delete "evaluating" and insert -- evaluation --.

Mailing Address of Sender:

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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO: **6,836,245 B²**
 DATED: **December 28, 2004**
 INVENTORS: **Takaaki Kishigami et al.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the cover page please insert the following -- (30) Foreign Application Priority Data December 12, 2000, JP 2000-377003 --.

On the cover page item (56) under Foreign Patent Documents please delete "EP 1 031 286 A2" and substitute therefor -- EP 1 031 846 A2 --.

Column 22, claim 1, line 64, delete "antennae" and insert -- antenna, --.

Column 22, claim 1, line 66, delete "tar" and insert -- for --.

Column 22, claim 1, line 67, delete "toe" and insert -- to a --.

Column 23, claim 1, line 2, delete "at" and insert -- of --.

Column 23, claim 3, line 34, delete "in put" and insert --input--.

Column 23, claim 6, line 45, "2" should read -- 1 --.

Column 23, claim 6, line 46, after LDL^H, insert -- of --.

Column 24, claim 11, line 39, delete "or" and insert -- of --.

Column 25, claim 12, line 3, delete "tar" and insert -- for --.

Column 25, claim 12, line 8, delete "tar" and insert -- for --.

Column 25, claim 17, line 43, delete "0" and insert -- D --.

Column 26, claim 21, line 13, delete "arrival" and insert -- arrival-angle --.

Column 26, claim 23, line 53, delete "cacti at" and insert -- each of --.

Column 27, claim 26, line 26, delete "LLH" and insert -- LL^H --.

Column 27, claim 27, line 29, delete "U^HU" and insert -- U^HDU --.

Column 27, claim 30, line 49, delete "or" and insert -- of --.

Column 28, claim 33, line 33, delete "at" and insert -- of --.

Column 28, claim 34, line 51, delete "far" and insert -- for --.

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CERTIFICATE OF CORRECTION**

PATENT NO: **6,836,245 B2**
DATED: **December 28, 2004**
INVENTORS: **Takaaki Kishigami et al.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 29, claim 38, line 21, delete "U^HU" and insert -- U^HDU --.
Column 29, claim 41, line 43, delete "far" and insert -- for --.
Column 30, claim 44, line 3, delete "or" and insert -- of --.
Column 30, claim 44, line 13, delete "tar" and insert -- for --.
Column 30, claim 44, line 19, delete "factoring" and insert -- factorizing --.
Column 31, claim 47, line 6, delete "B" and insert -- θ --.
Column 31, claim 49, line 24, delete "evaluating" and insert -- evaluation --.

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